BARKSDALE 2ND BOMB WING COMMAND POST MULTILEVEL NETWORK

Mr. Richard A Griffith & Mr. Mac E. McGregor
C4 Technology Validation Office - Barksdale AFB, LA
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Overview

- **MLN History**
- **What is MLN**
- **MLN Architecture and Hardware**
- **MLN Benefits**
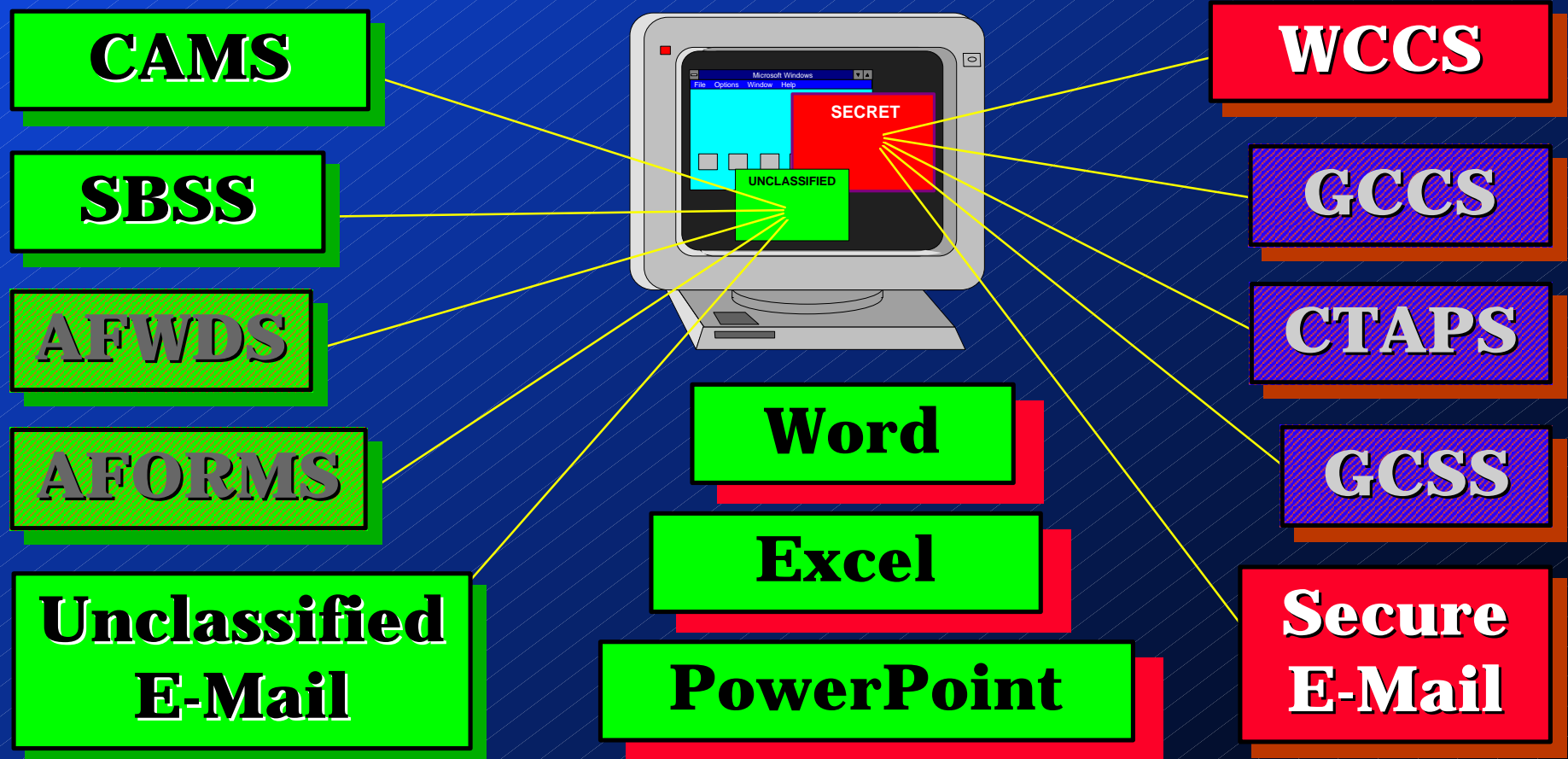- **Project Milestones**
- **User Interest**

MLN History

- **AMC began exploring MLN technology for GDSS**

- **AFC4A Interoperability Facility requested to evaluate MLN technical solution for AMC**

- **C4TVO tasking- migrate technology into a wing CP environment and operationally validate an affordable COTS, secure MLN solution to provide one CMW per user to run multiple unclassified and secret applications simultaneously**
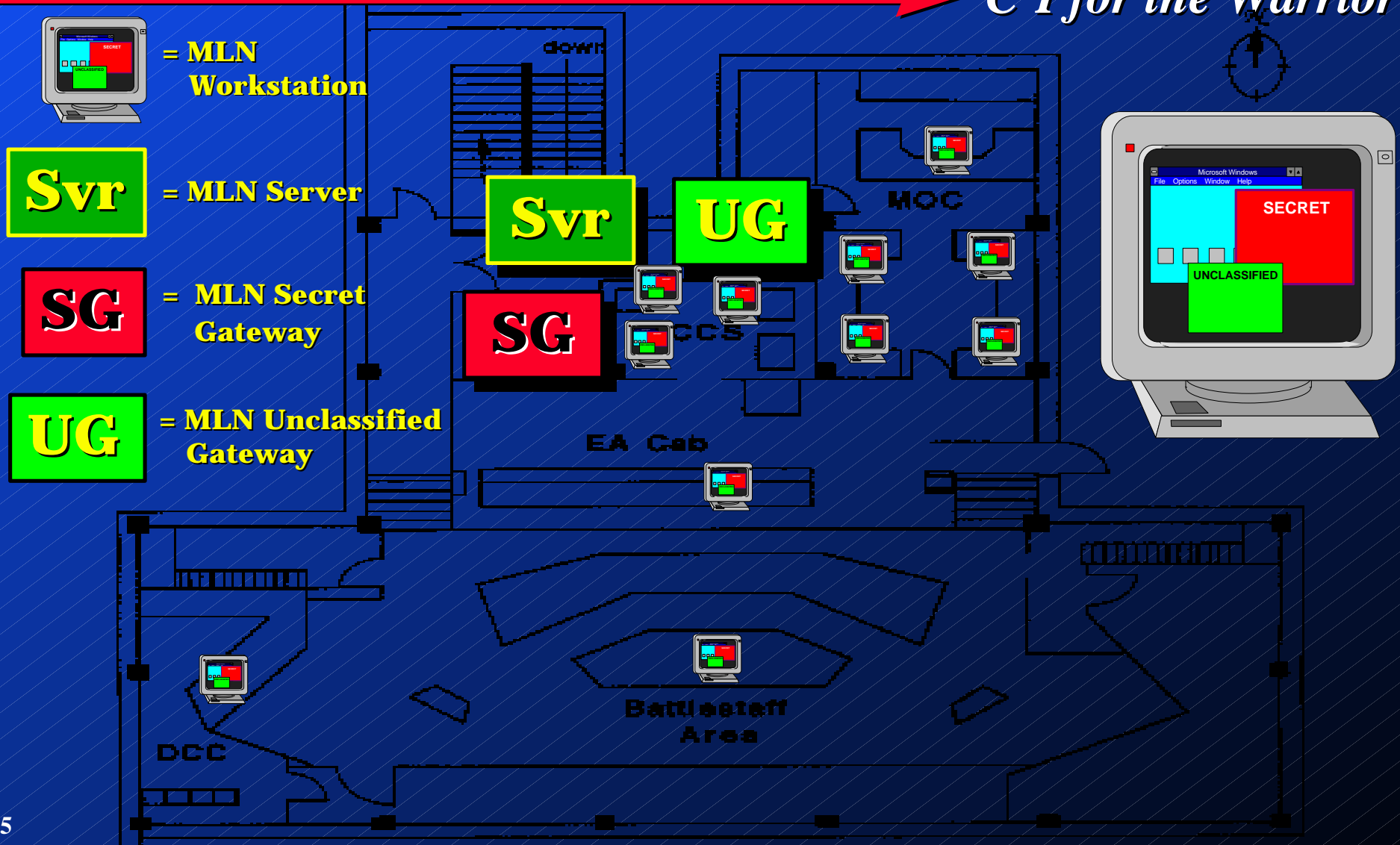
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What MLN Gives You

- **One workstation access to:**

CAMS

SBSS

AFWDS

AFORMS

Unclassified E-Mail

WCCS

GCCS

CTAPS

GCSS

Word

Excel

PowerPoint

Secure E-Mail

SECRET

UNCLASSIFIED

Microsoft Windows
File   Options   Window   Help

Multilevel Network Command Post Layout

C⁴I for the Warrior

= MLN Workstation

Svr = MLN Server

SG = MLN Secret Gateway

UG = MLN Unclassified Gateway

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MLN Architecture

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SIPRNET
(Secret Applications)

NIPRNET
(Unclassified Applications)

MLN Server

CISCO
(Diode) Router

CISCO
(Diode) Router

Secret Gateway

Unclassified Gateway

MLN
Workstation

MLN
Workstation

MLN
Workstation

MLN
Workstation

MLN
Workstation
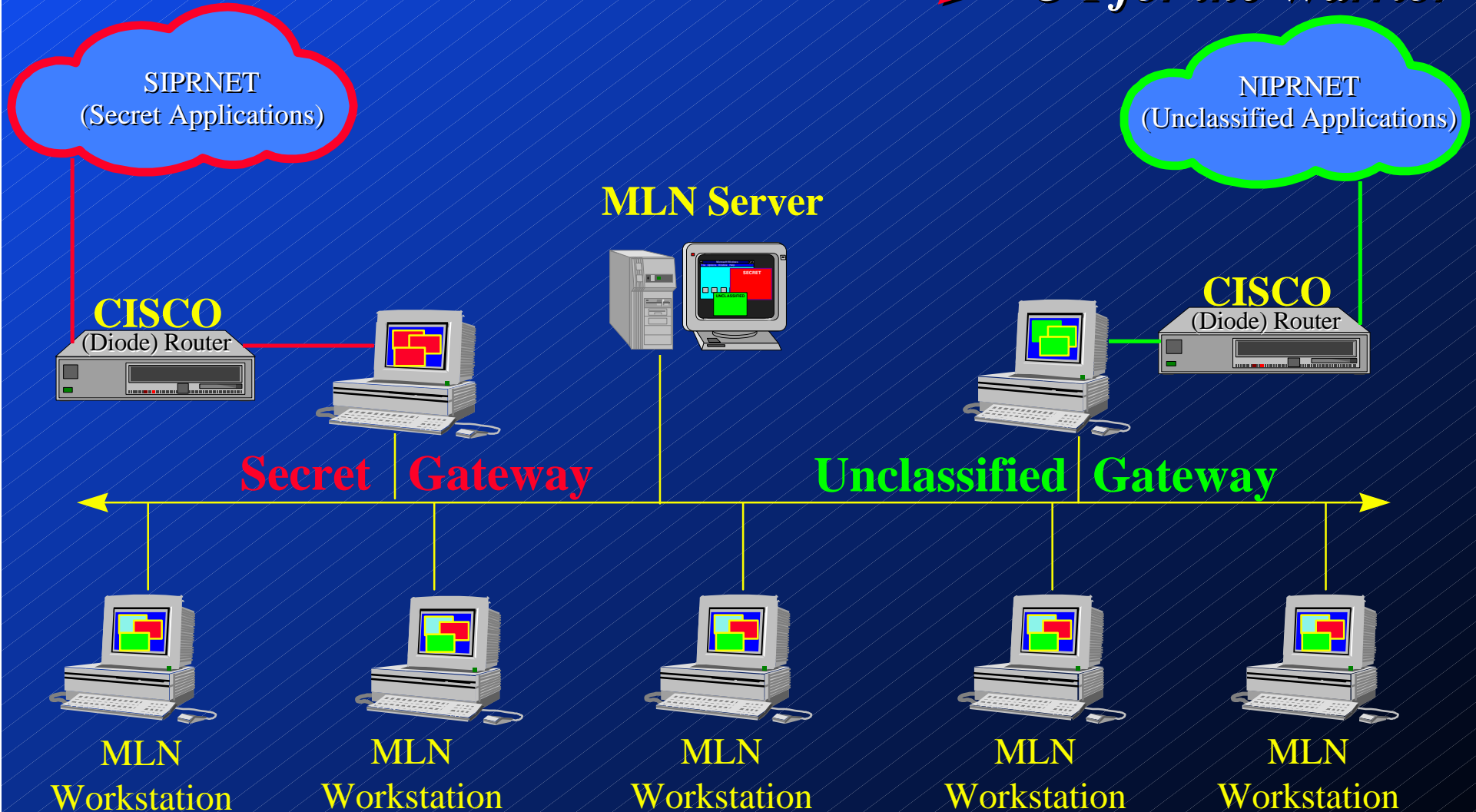
Minimum MLN Requirements

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Gateway Requirements

Server Requirements

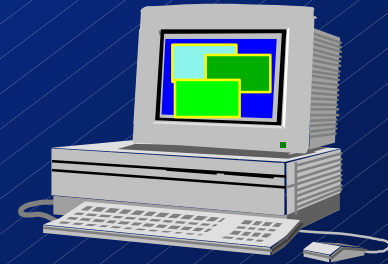## Workstation Requirements
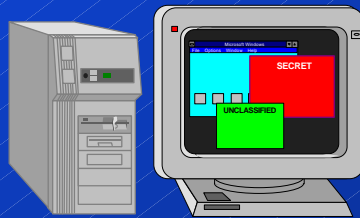
- 486 DX66

- 4GB Hard Drive

- 64 MB RAM

- Tape Backup
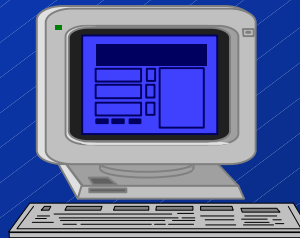
- 486 DX66

- 800MB Hard Drive

- 16 MB RAM

- 2 Network Interface Cards

(1 multilevel & 1 class specified)
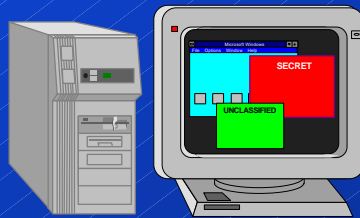
- 1 - Classified Gateway
- 1 - Unclassified Gateway

- 486 DX66

- 540MB Hard Drive

- 32 MB RAM

SECUREWARE Version 3.0 operating on SCO Unix platform with DOS Emulation

MLN Cost Estimates
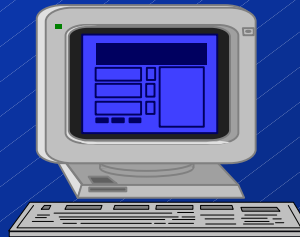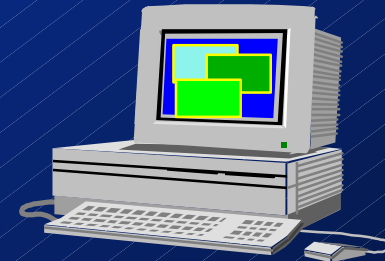
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Gateway Requirements

Workstation Requirements

Server Requirements

H/W $ 2,000
S/W $ 2,200

H/W $12,000
S/W $ 2,200

H/W $ 2,500
S/W $ 2,200

2 CISCO Routers - 1 Unclassified 1 Secret
$4,000 each

1 Server + 2 Gateways + 2 CISCO + 10 Workstations = $ 71,600

MLN Installation Process

C⁴I for the Warrior

- **Assess Needs**
  - **Survey the Site**
    - **Certification and Accreditation Plan**
      - **Procure Components**
        - **Schedule Installation**
          - **Install Equipment**

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MLN Installation Process (cont.)

- **Risk Analysis**
  - **Certifications**
    - **Security Features User's Guide**
      - **Trusted Facility Manual**
        - **Certification/Accreditation Letters**
          - **Operational Testing**
            - **User Training**

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MLN Benefits

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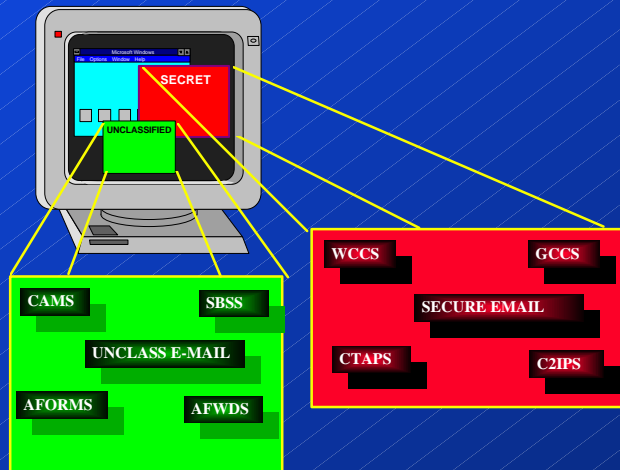**Multiple** workstations   versus   **ONE** for the same information

MLN Milestones & Future Activity

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Multilevel Network One Workstation Access

SECRET
UNCLASSIFIED

WCCS GCCS
SECURE EMAIL
CTAPS C2IPS

CAMS SBSS
UNCLASS E-MAIL
AFORMS AFWDS

- **2nd Bomb Wing MLN has received Final Accreditation and approval to operate by Air Force DAA**

- **MLN operational in the 2BW/CP**

- **IOC declared 4 Mar 96**

- **Operational Validation started 25 Mar 96**

- **Create Implementation and Installation Guide for 38 EIW to export MLN Air Force wide**

- **MLN Expo occurred 1 May 96**

- **Briefed Gen Fairfield, Gen Lampe Mr Gilligan - Pentagon 13-15 May**

Interest in MLN

- **HQ USAF/XOS - (Pentagon)**

- **HQ AETC**

- **HQ AFSOC**

- **HQ AFRES - (Robins & Barksdale)**

- **HQ EUCOM**

- **HQ AFSPC**

- **US TRANSCOM**

- **AFPCA - (Pentagon)**

- **ANG - (Tyndall)**

- **HQ AMC**

- **HQ ACC - Langley AFB, Dyess AFB, Whiteman AFB, Tinker AFB, Minot AFB, Cannon AFB, Nellis AFB, Little Rock AFB, Macdill AFB, Hurlburt Field**

Summary

C⁴I for the Warrior

- **MLN technology is now proven**

- **Operational validation in progress**

- **Interest is high throughout the Air Force**